

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061440.D
 Acq On : 17 Jan 2019 13:03
 Operator : VA/AP
 Sample : K1157-06
 Misc : 5.05g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WC-03-011519RE

Quant Time: Jan 18 03:18:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	173515	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.58	114	272110	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	190683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	59476	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	117716	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
35) Dibromofluoromethane	4.09	113	137518	64.05	ug/l	-0.01
Spiked Amount			Recovery	=	128.10%	
50) Toluene-d8	7.53	98	294222	50.01	ug/l	-0.01
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.40	95	91455	33.27	ug/l	0.00
Spiked Amount			Recovery	=	66.54%	

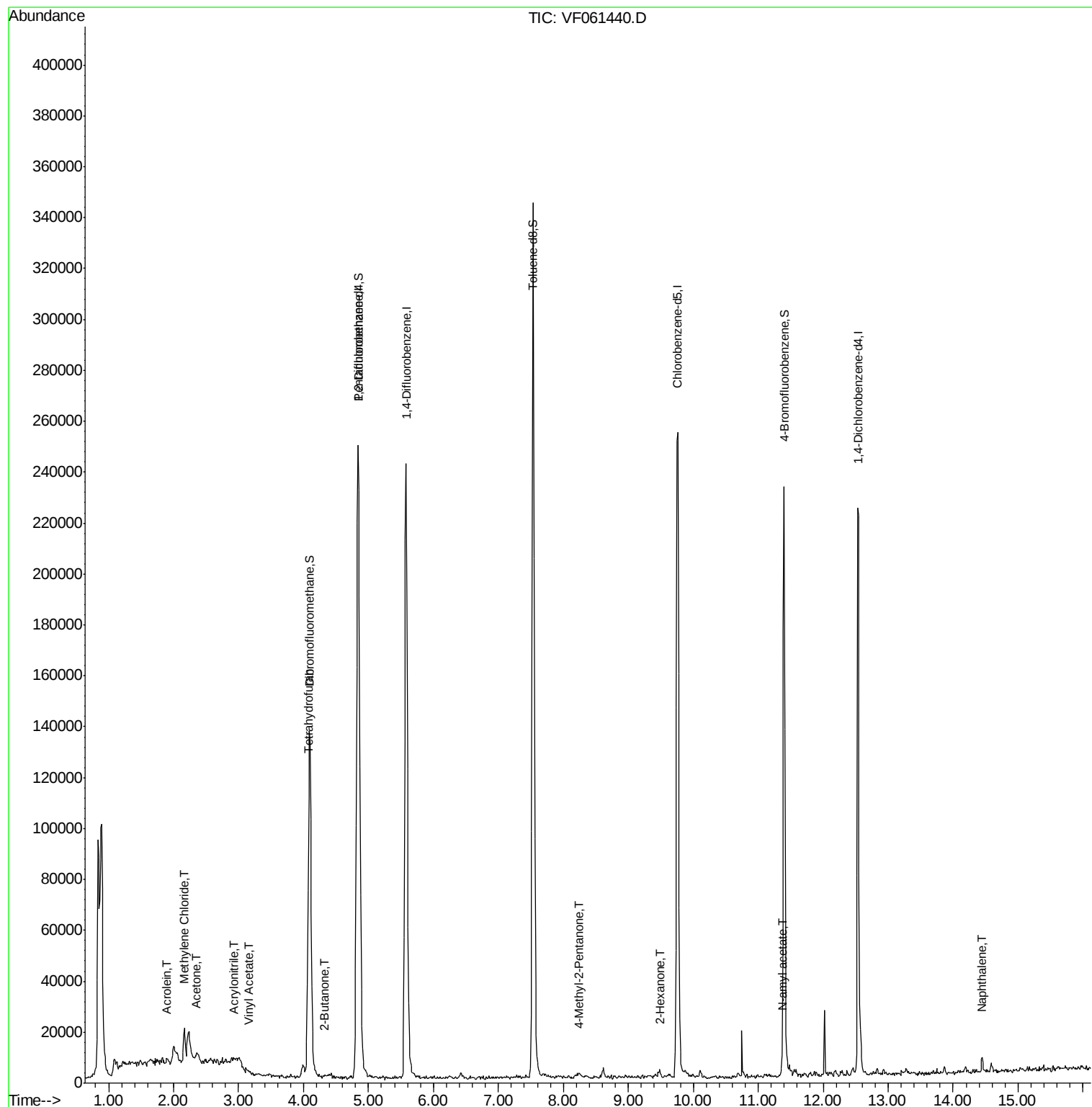
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	1.89	56	395	15.185	ug/l	87
14) Allyl chloride	2.00	41	1906	Below Cal	#	84
15) Acrylonitrile	2.94	53	675	2.906	ug/l #	87
16) Acetone	2.36	43	507	1.180	ug/l	94
20) Methylene Chloride	2.17	84	5969	2.419	ug/l	87
23) Vinyl Acetate	3.15	43	1136	3.658	ug/l #	78
25) 2-Butanone	4.33	43	1081	1.513	ug/l #	57
29) Tetrahydrofuran	4.07	42	817	2.655	ug/l #	66
51) 4-Methyl-2-Pentanone	8.23	43	2046	1.758	ug/l #	39
59) 2-Hexanone	9.49	43	3930	4.843	ug/l	92
74) N-amyl acetate	11.36	43	2134	1.866	ug/l #	82
95) Naphthalene	14.45	128	4147	1.630	ug/l	97

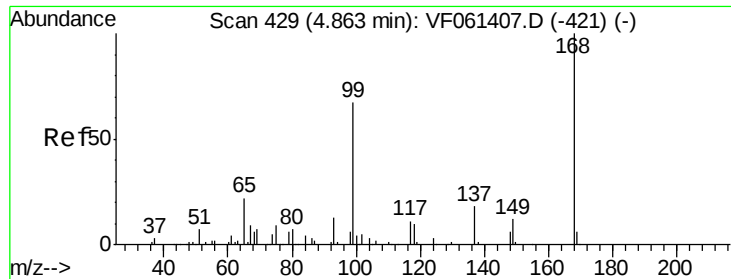
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

Instrument :

MSVOA_F

ClientSampleId :

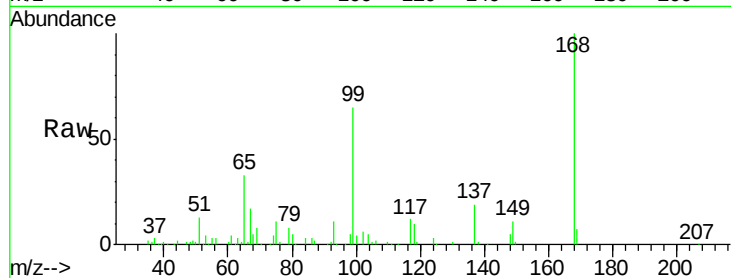
WC-03-011519RE

Tot Ion:168 Resp: 173515

Ion Ratio Lower Upper

168 100

99 64.8 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

50000

40000

30000

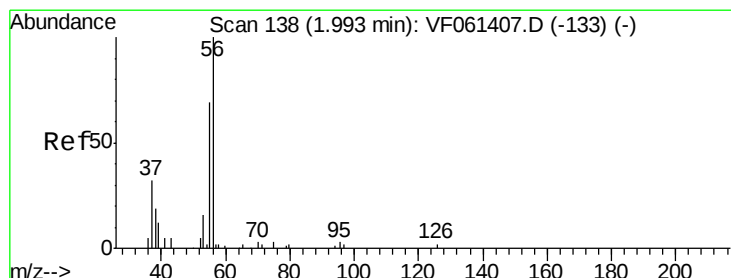
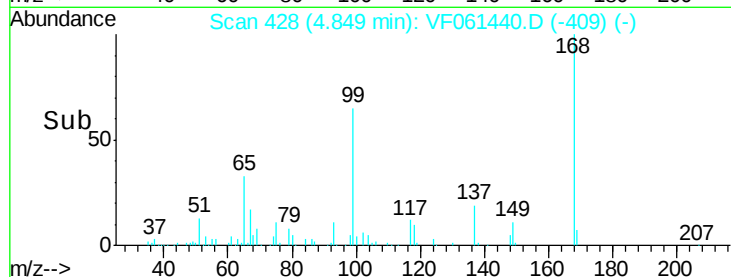
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#13

Acrolein

Concen: 15.185 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.10 min

Lab File: VF061440.D

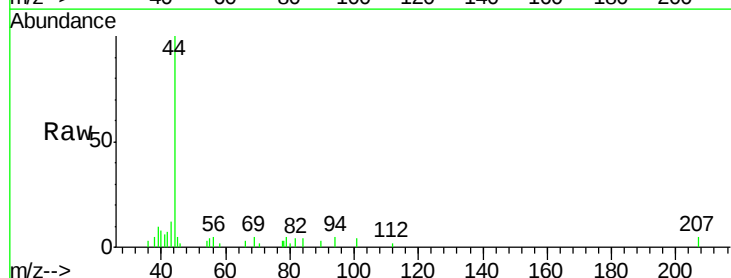
Acq: 17 Jan 2019 13:03

Tgt Ion: 56 Resp: 395

Ion Ratio Lower Upper

56 100

55 82.7 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

500

400

300

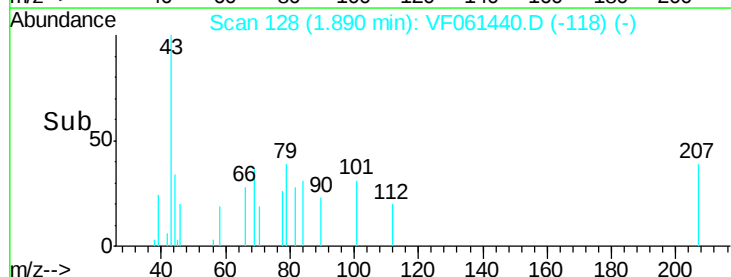
200

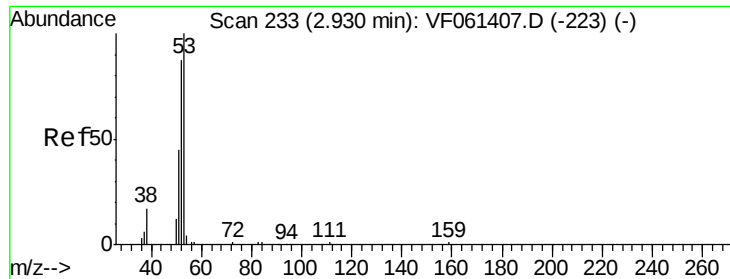
100

0

1.85 1.90

Time-->





#15

Acrylonitrile

Concen: 2.906 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

Instrument :

MSVOA_F

ClientSampleId :

WC-03-011519RE

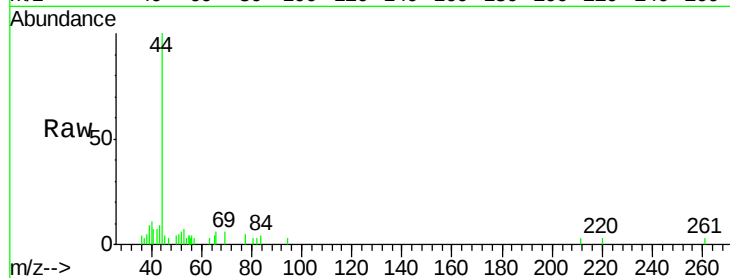
Tot Ion: 53 Resp: 675

Ion Ratio Lower Upper

53 100

52 87.3 69.6 104.4

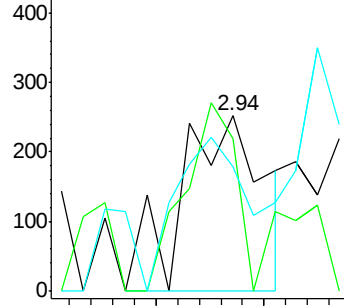
51 70.6 36.8 55.2#



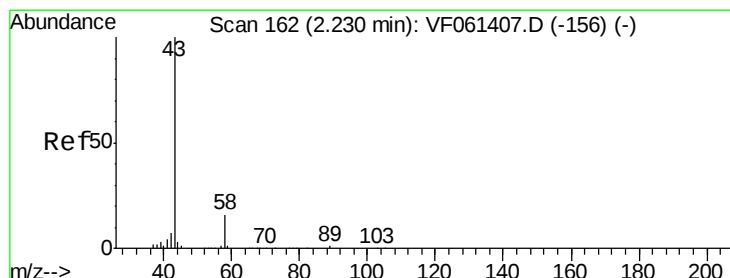
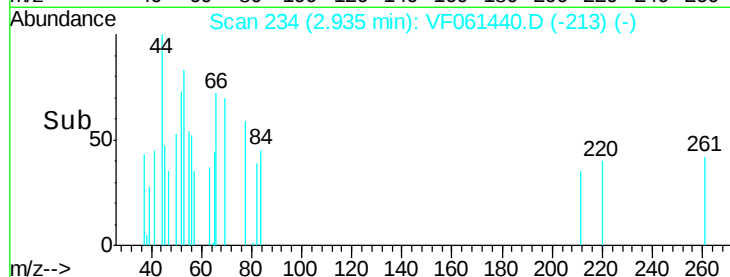
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 1.180 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.13 min

Lab File: VF061440.D

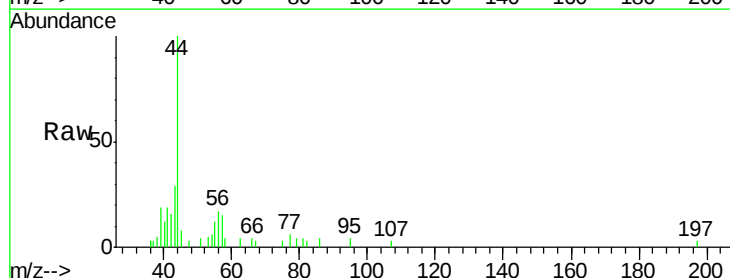
Acq: 17 Jan 2019 13:03

Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

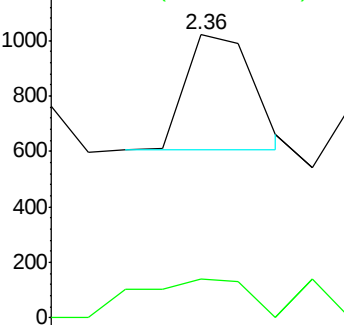
43 100

58 13.8 13.3 19.9

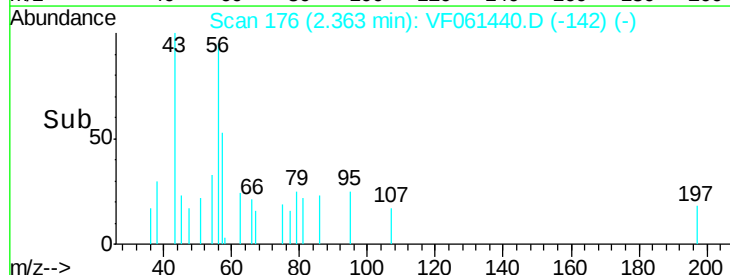


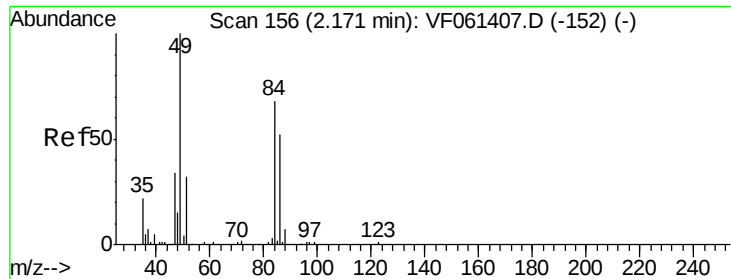
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

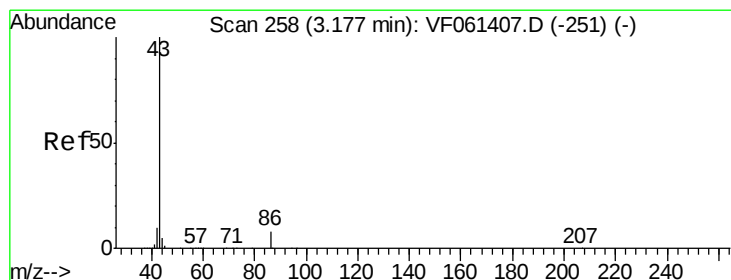
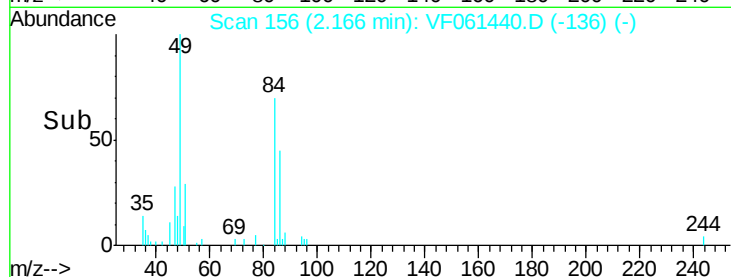
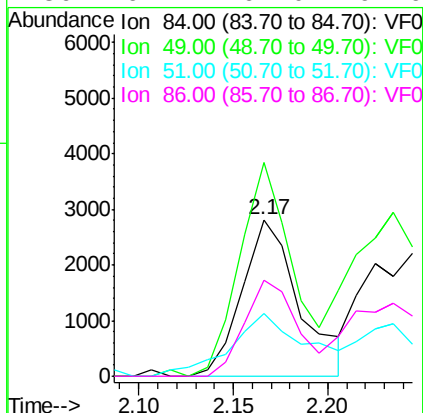
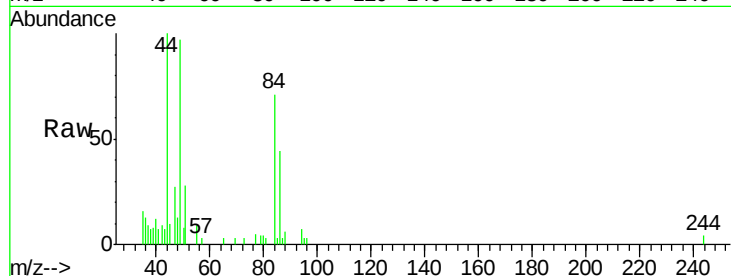




#20
Methvlene Chloride
Concen: 2.419 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.00 min
Lab File: VF061440.D
Acq: 17 Jan 2019 13:03

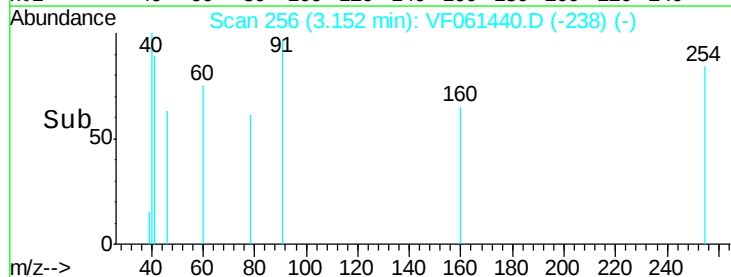
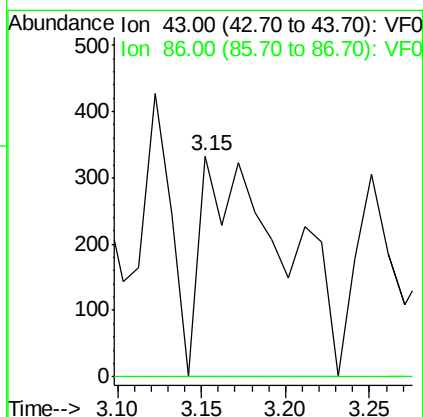
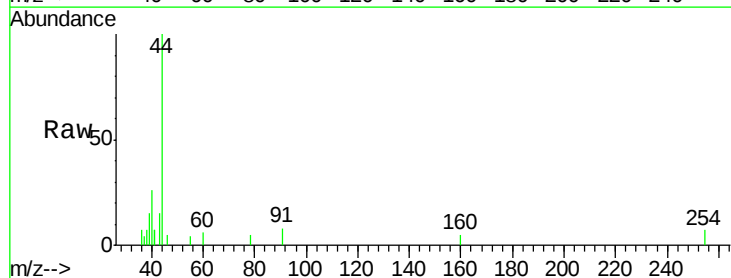
Instrument :
MSVOA_F
ClientSampleId :
WC-03-011519RE

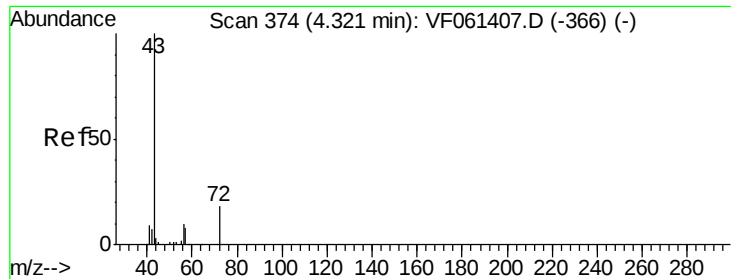
Tot Ion: 84 Resp: 5969
Ion Ratio Lower Upper
84 100
49 136.4 120.0 180.0
51 39.7 38.6 58.0
86 61.1 61.0 91.6



#23
Vinyl Acetate
Concen: 3.658 ug/l
RT: 3.15 min Scan# 256
Delta R.T. -0.02 min
Lab File: VF061440.D
Acq: 17 Jan 2019 13:03

Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 1.513 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

Instrument :

MSVOA_F

ClientSampleId :

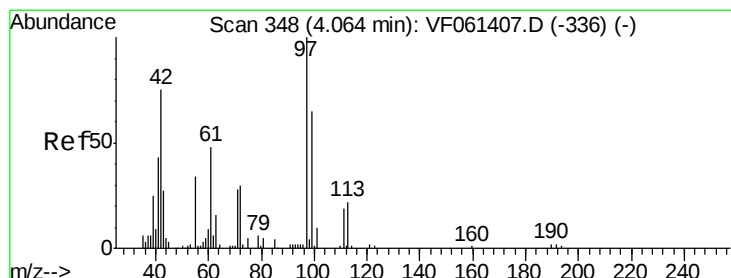
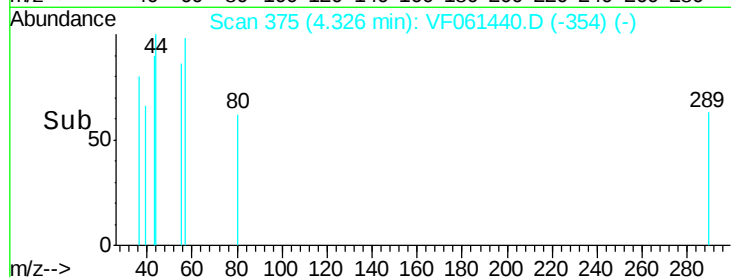
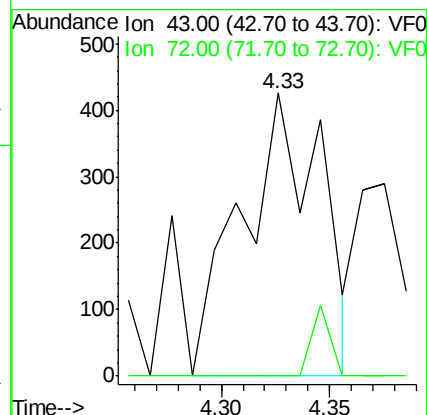
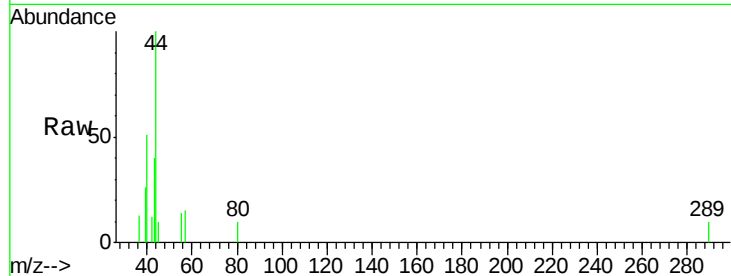
WC-03-011519RE

Tot Ion: 43 Resp: 1081

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#29

Tetrahydrofuran

Concen: 2.655 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

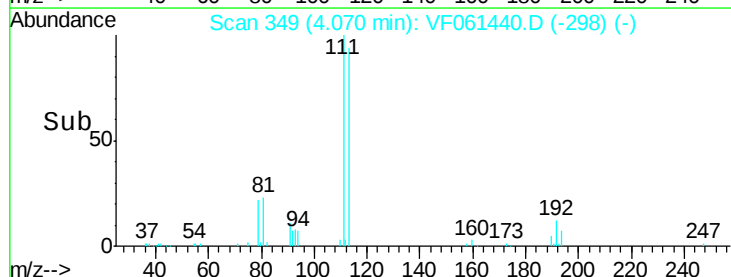
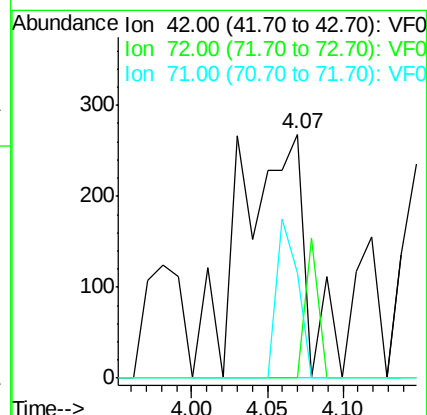
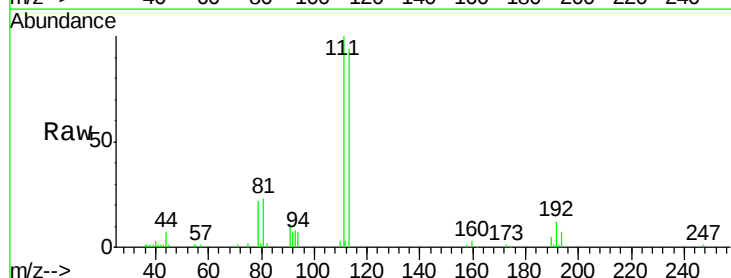
Tgt Ion: 42 Resp: 817

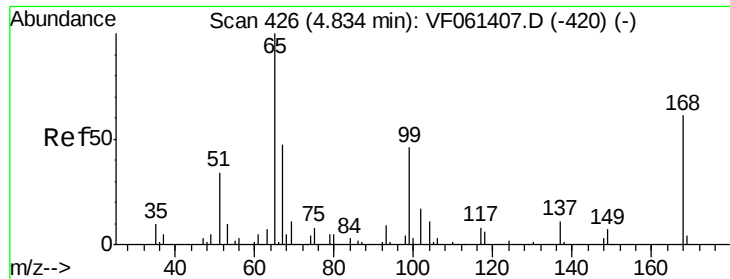
Ion Ratio Lower Upper

42 100

72 11.1 28.9 43.3#

71 21.1 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 54.949 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

Instrument :

MSVOA_F

ClientSampleId :

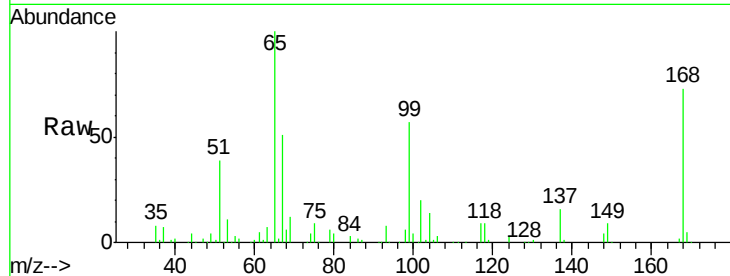
WC-03-011519RE

Tot Ion: 65 Resp: 117716

Ion Ratio Lower Upper

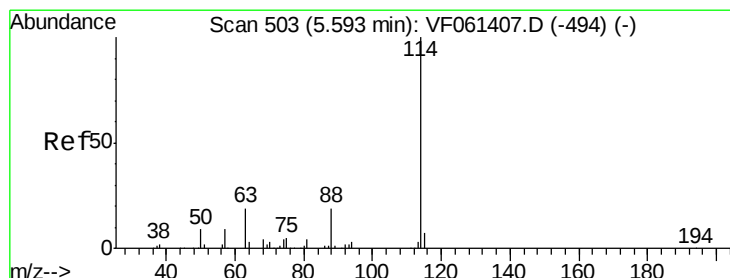
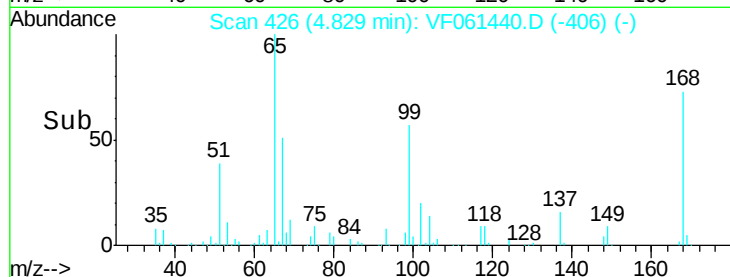
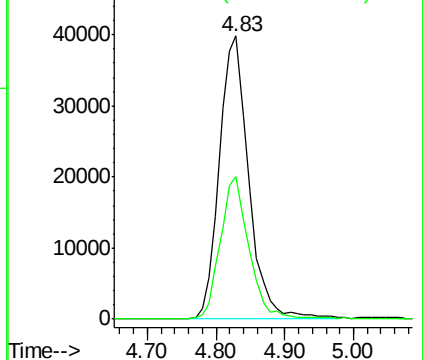
65 100

67 50.6 0.0 99.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

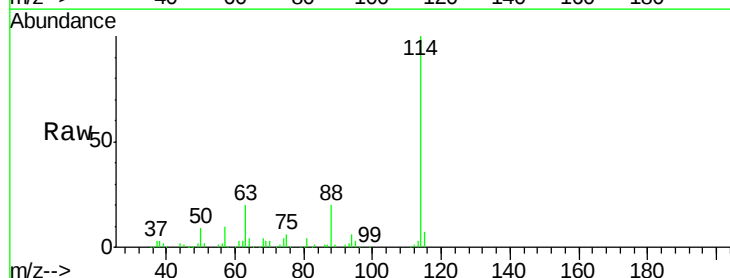
Tgt Ion: 114 Resp: 272110

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

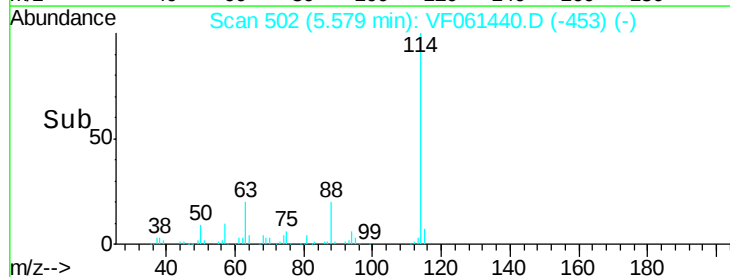
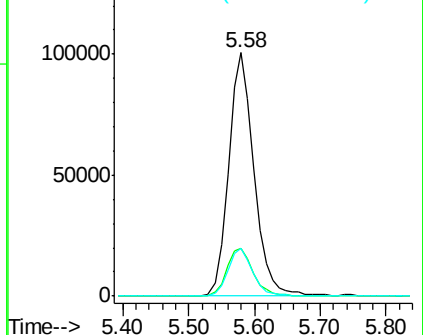
88 19.8 0.0 37.4

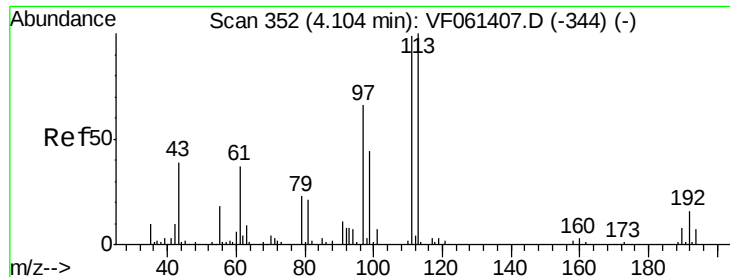


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 64.046 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.01 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

Instrument :

MSVOA_F

ClientSampleId :

WC-03-011519RE

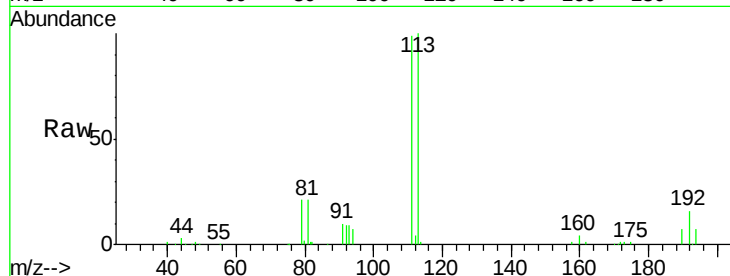
Tot Ion:113 Resp: 137518

Ion Ratio Lower Upper

113 100

111 99.2 79.4 119.0

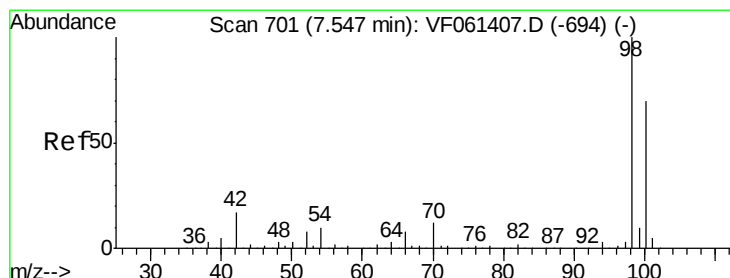
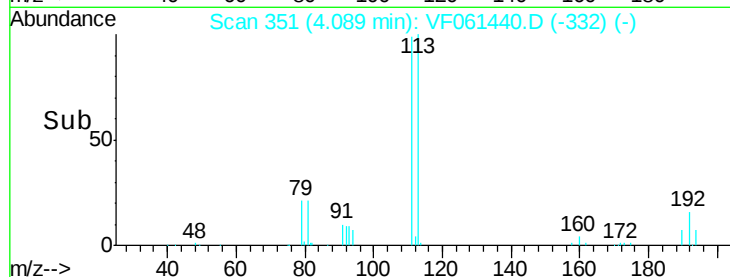
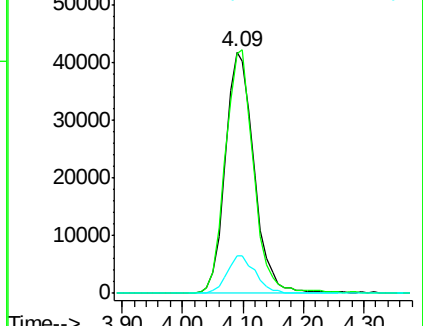
192 16.0 12.4 18.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 50.013 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061440.D

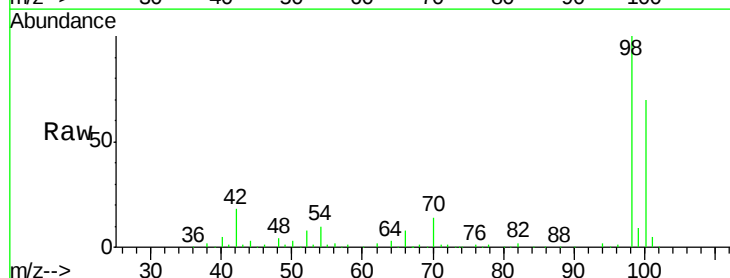
Acq: 17 Jan 2019 13:03

Tgt Ion: 98 Resp: 294222

Ion Ratio Lower Upper

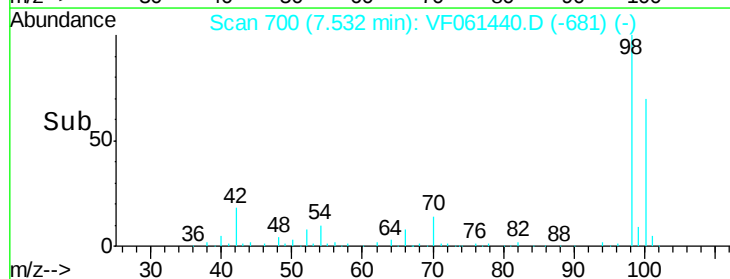
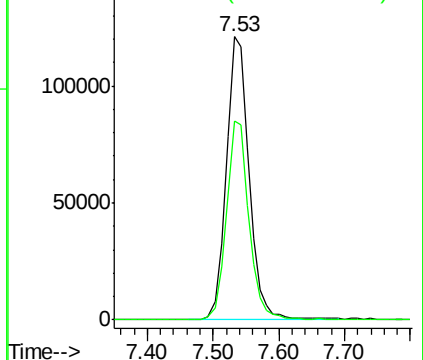
98 100

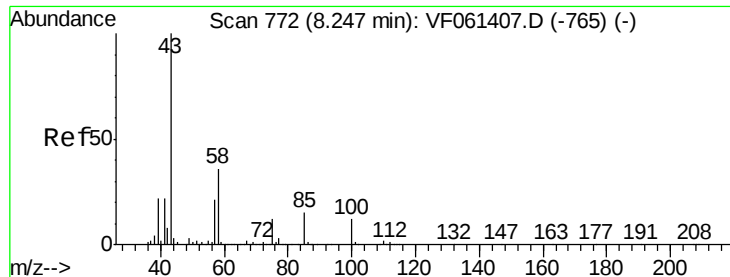
100 70.5 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.758 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.01 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

Instrument :

MSVOA_F

ClientSampleId :

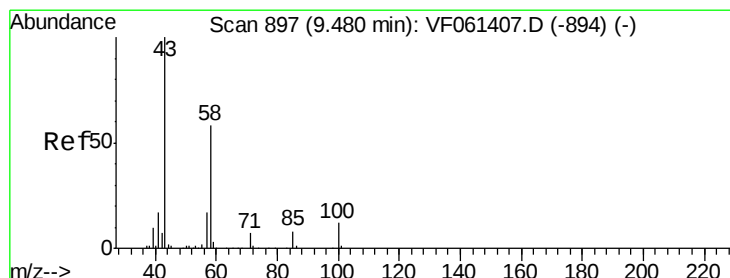
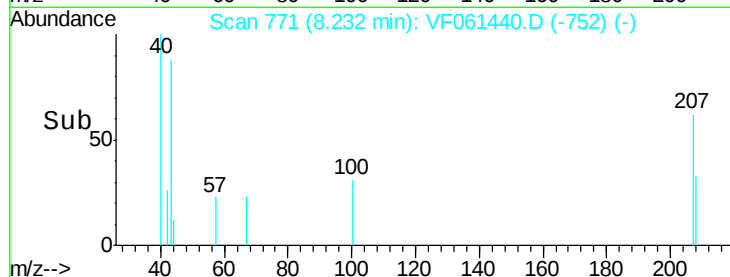
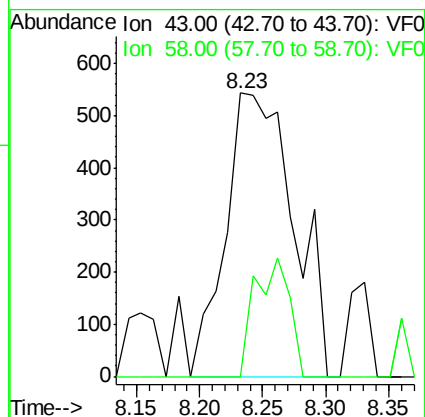
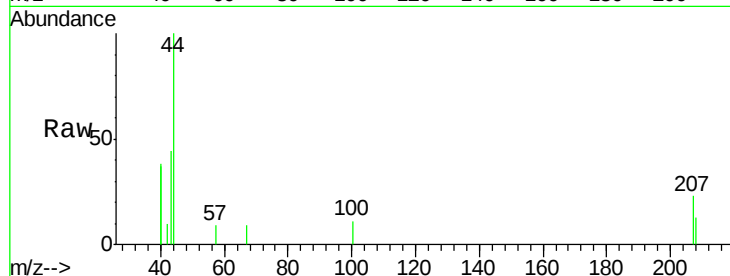
WC-03-011519RE

Tot Ion: 43 Resp: 2046

Ion Ratio Lower Upper

43 100

58 0.0 28.8 43.2#



#59

2-Hexanone

Concen: 4.843 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061440.D

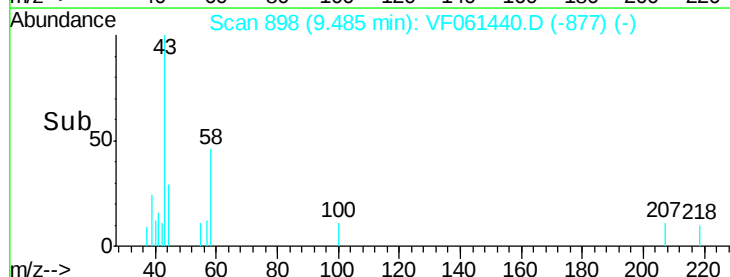
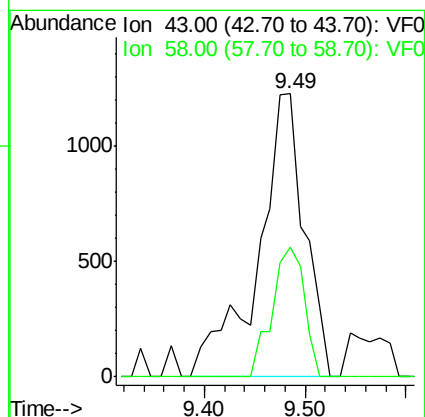
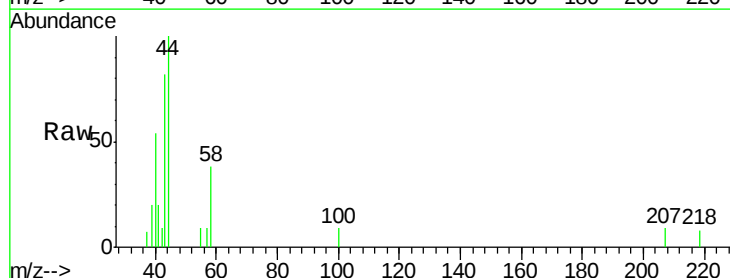
Acq: 17 Jan 2019 13:03

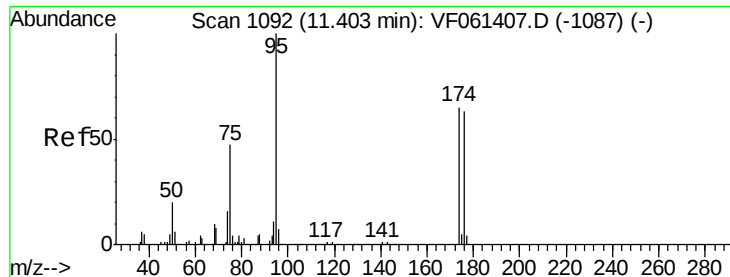
Tgt Ion: 43 Resp: 3930

Ion Ratio Lower Upper

43 100

58 46.0 25.9 77.6





#62

4-Bromofluorobenzene

Concen: 33.273 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

Instrument :

MSVOA_F

ClientSampleId :

WC-03-011519RE

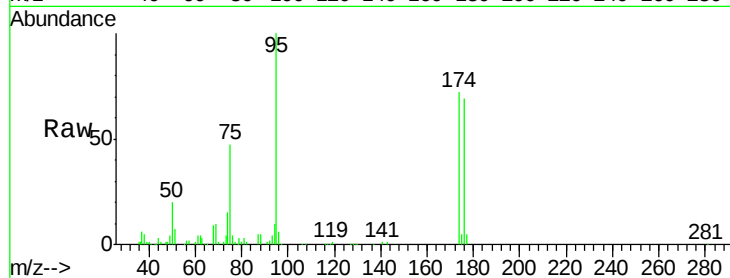
Tot Ion: 95 Resp: 91455

Ion Ratio Lower Upper

95 100

174 71.7 0.0 130.4

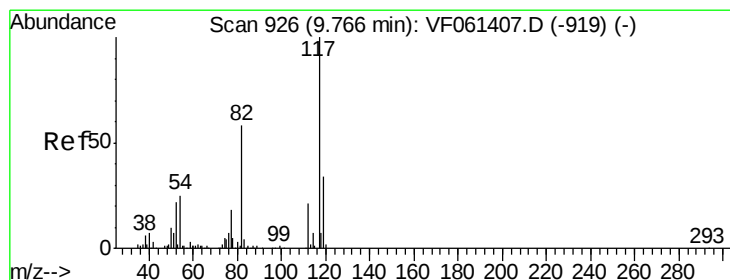
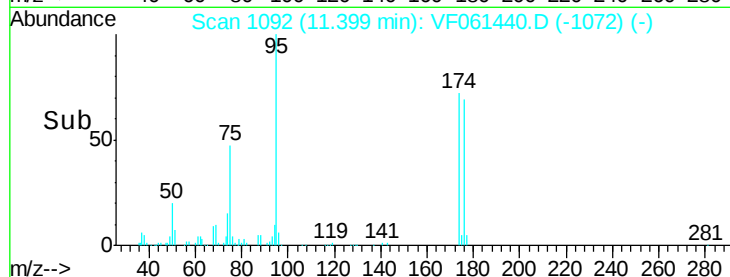
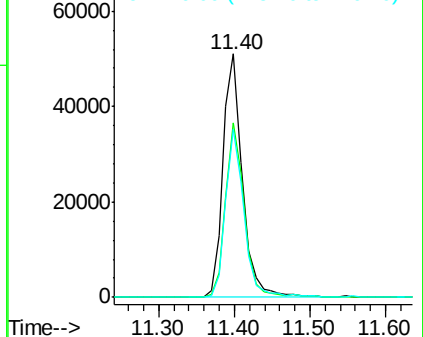
176 69.2 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

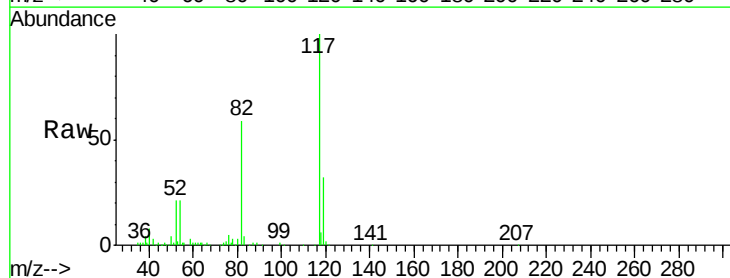
Tgt Ion: 117 Resp: 190683

Ion Ratio Lower Upper

117 100

82 58.7 46.4 69.6

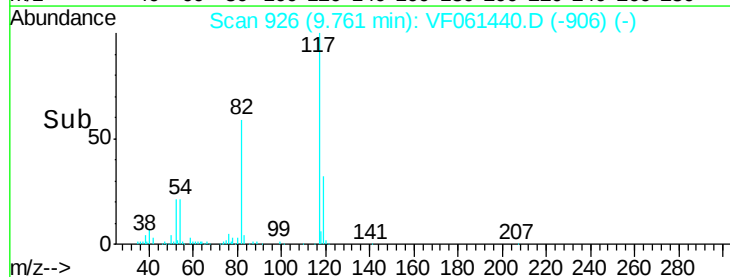
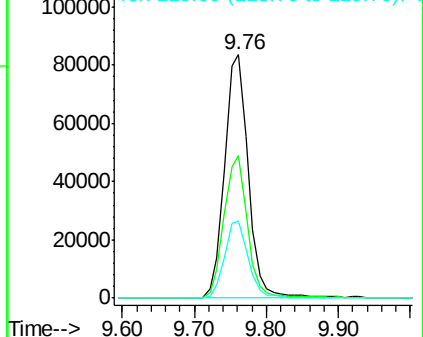
119 31.6 27.2 40.8

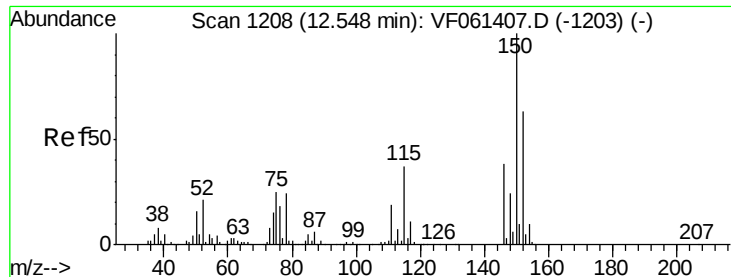


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

Instrument :

MSVOA_F

ClientSampleId :

WC-03-011519RE

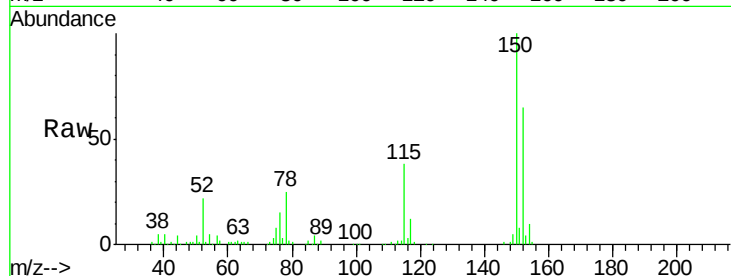
Tot Ion:152 Resp: 59476

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

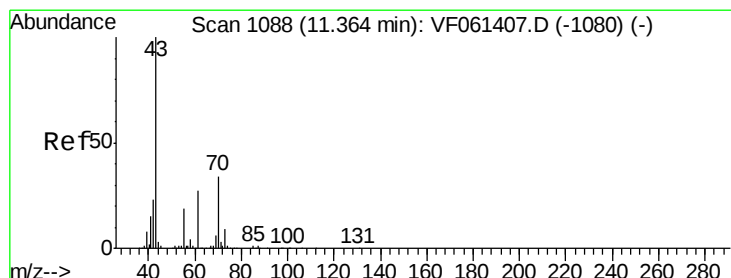
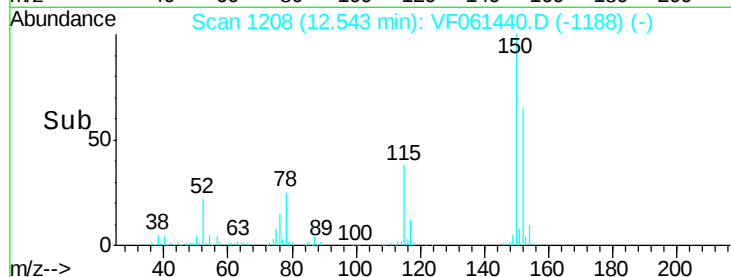
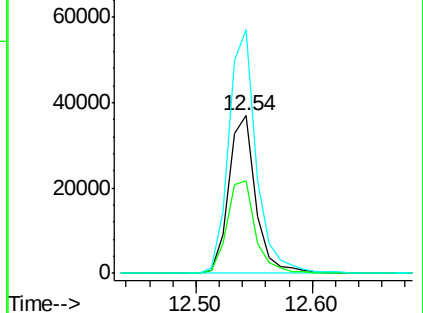
150 154.6 0.0 321.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-ethyl acetate

Concen: 1.866 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VF061440.D

Acq: 17 Jan 2019 13:03

Tgt Ion: 43 Resp: 2134

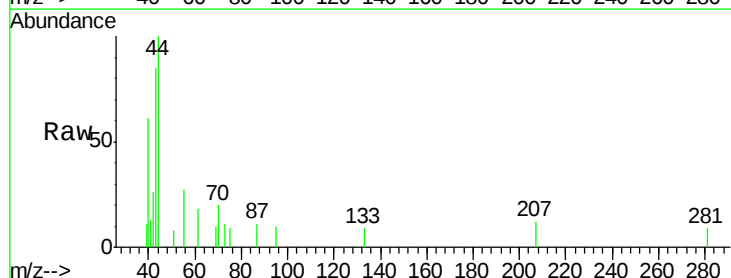
Ion Ratio Lower Upper

43 100

70 23.8 27.6 41.4#

55 31.9 15.4 23.2#

61 21.6 21.8 32.6#

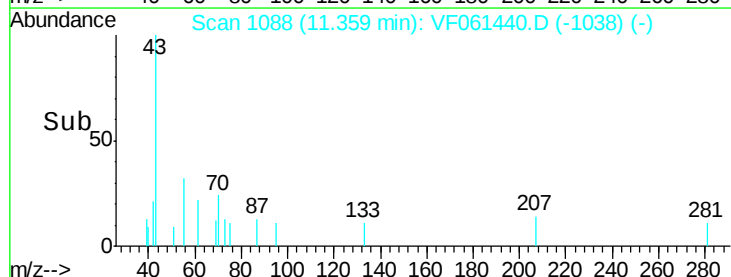
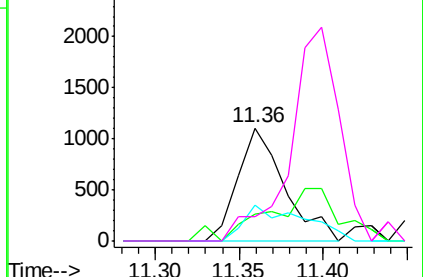


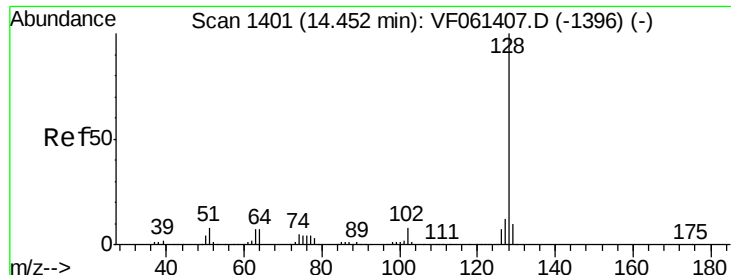
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

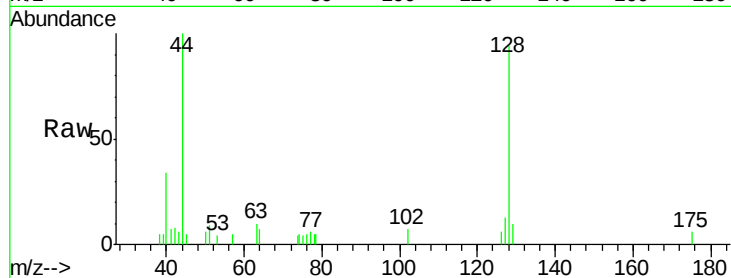




#95
Naphthalene
Concen: 1.630 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061440.D
Acq: 17 Jan 2019 13:03

Instrument :
MSVOA_F
ClientSampleId :
WC-03-011519RE

Tot Ion:128 Resp: 4147
Ion Ratio Lower Upper
128 100
127 13.8 9.5 14.3
129 11.0 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

